



16638 U.S.PTO

Docket No. 2629-4020US2

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**UTILITY APPLICATION AND FEE TRANSMITTAL §(1.53(b))**

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

10/735082 U.S.PTO



Sir:

Transmitted herewith for filing is the patent application of

Inventor(s) names and addresses:

- (1) James G. LAZAR  
9914 Belhaven Road  
Bethesda, Maryland 20817, U.S.A.
- (2) Joan M. ZAKEL  
13317 Hunt Ridge Road  
Ellicott City, Maryland 21042, U.S.A.

Additional inventors are listed on a separate sheet

For: IMMUNOLOGICAL DETECTION OF RNA-DNA HYBRIDS ON  
MICROARRAYS

Enclosed Are:

- 58 page(s) of specification  
1 page(s) of Abstract  
4 page(s) of claims (1-22)  
23 sheets of  Formal  Informal drawings  
— page(s) of Declaration and Power of Attorney
- Unsigned  
 Newly Executed  
 Copy from prior application  
 Deletion of inventors including Signed Statement under 37 C.F.R. §1.63(d)(2)

**REQUEST AND CERTIFICATION UNDER 35 U.S.C. §122(b)(2)(B)(i) (form PTO/SB/35)**

As indicated on the attached Request and Certification, Applicant(s) certify that the invention disclosed in the attached application HAS NOT and WILL NOT be the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing. Applicant(s) therefore request(s) that the attached application NOT be published under 35 U.S.C. §122(b).

- Incorporation by Reference:
- The entire disclosure of the prior application, from which a copy of the combined Declaration and Power of Attorney is supplied herein, is considered as being part of the disclosure of the accompanying application and is incorporated herein by reference.
- Deletion of Inventors (37 C.F.R. §1.63(d) and §1.33(b))  
Signed statement attached deleting inventor(s) named in the prior application serial no. \_\_\_\_\_, filed \_\_\_\_\_.
- Microfiche Computer Program (Appendix)  
 page(s) of Sequence Listing  
 computer readable disk containing Sequence Listing  
 Statement under 37 C.F.R. §1.821(f) that computer and paper copies of the Sequence Listing are the same
- Assignment Papers (assignment cover sheet and assignment documents)  
 A check in the amount of \$40.00 for recording the Assignment  
 Charge the Assignment Recordation Fee to Deposit Account No. 13-4500, Order No. \_\_\_\_\_.  
 Assignment Papers filed in the parent application Serial No. \_\_\_\_\_.
- Certification of chain of title pursuant to 37 C.F.R. §3.73(b)
- Priority is claimed under 35 U.S.C. §119 for:  
Application No(s). \_\_\_\_\_, filed \_\_\_\_\_, in \_\_\_\_\_ (country).  
 Certified Copy of Priority Document(s) [\_\_\_\_\_]  
 filed herewith  
 filed in application Serial No. \_\_\_\_\_, filed \_\_\_\_\_.  
 English translation document(s) [\_\_\_\_\_]  
 filed herewith  
 filed in application Serial No. \_\_\_\_\_, filed \_\_\_\_\_.  
 Priority is claimed under 35 U.S.C. §119(e) for:  
Provisional Application No. \_\_\_\_\_, filed \_\_\_\_\_.
- Information Disclosure Statement  
 Copy of [\_\_\_\_\_] cited references  
 PTO Form-1449  
 References cited in parent application Serial No. 09/707,178, filed November 6, 2000.

- Related Case Statement under 37 C.F.R. §1.98(a)(2)(iii)
- A copy of related pending U.S. Application(s) entitled Immunological Detection of RNA:DNA Hybrids on Microarrays, Serial No(s): 10/147,112, filed May 15, 2002, to inventors(s) James G. LAZAR, Joan M. ZAKEL, Christina M. STRANGE, Inna R. WILLIAMS and Attila T. LORINCZ, respectively, is attached hereto.
- A copy of related pending U.S. Application(s) entitled, Immunological Detection of RNA:DNA Hybrids on Microarrays, Serial No. 09/707,178, filed November 6, 2000 to inventor(s) James G. LAZAR, Joan M. ZAKEL, Christina M. STRANGE, Inna R. WILLIAMS Attila T. LORINCZ and Abel DE LA ROSA, respectively, is attached hereto.
- A copy of each related application(s) was submitted in parent application serial no. \_\_\_\_\_, filed \_\_\_\_\_.
- Preliminary Amendment
- Return receipt postcard (MPEP 503)
- This is a  continuation  divisional  continuation-in-part of prior application serial no. 09/707,178 filed November 6, 2000, to which priority under 35 U.S.C. §120 is claimed.
- Cancel in this application original claims \_\_\_\_\_ of the parent application before calculating the filing fee. (At least one original independent claim must be retained for filing purposes.)
- A Preliminary Amendment is enclosed. (Claims added by this Amendment have been properly numbered consecutively beginning with the number following the highest numbered original claim in the prior application).
- The status of the parent application is as follows:
- A Petition for Extension of Time and a Fee therefor has been or is being filed in the parent application to extend the term for action in the parent application until \_\_\_\_\_.
- A copy of the Petition for Extension of Time in the co-pending parent application is attached.
- No Petition for Extension of Time and Fee therefor are necessary in the co-pending parent application.
- Please abandon the parent application at a time while the parent application is pending or at a time when the petition for extension of time in that application is granted and while this application is pending has been granted a filing date, so as to make this application co-pending.
- Transfer the drawing(s) from the parent application to this application
- Amend the specification by inserting before the first line the sentence:  
This is a  continuation  divisional  continuation-in-part of co-pending application Serial No. \_\_\_\_\_, filed \_\_\_\_\_.

<b>I. CALCULATION OF APPLICATION FEE</b>				
	Number Filed	Number Extra	Rate	Basic Fee \$770.00/385.00
Total Claims	22 - 20 =	2 x	\$18.00/ \$9.00	\$ 18.00
Independent Claims	6 - 3 =	3 x	\$86.00/ \$43.00	\$129.00
<input type="checkbox"/> Multiple Dependent Claims		If marked, add fee of \$290.00 (\$145.00)		\$
				<b>TOTAL:</b> \$532.00

- Small entity status is or has been claimed. Reduced fees under 37 C.F.R. §1.9 (f) paid herewith  
\$532.00.
- A check in the amount of \$532.00 in payment of the application filing fees is attached.
- Charge fee to Deposit Account No. 13-4500, Order No. \_\_\_\_\_. A DUPLICATE COPY OF THIS SHEET IS ATTACHED.
- The Commissioner is hereby authorized to charge any additional fees which may be required for filing this application pursuant to 37 CFR §1.16, including all extension of time fees pursuant to 37 C.F.R. § 1.17 for maintaining copendency with the parent application, or credit any overpayment to Deposit Account No. 13-4500, Order No. 2629-4020US2. A DUPLICATE COPY OF THIS SHEET IS ATTACHED.

Respectfully submitted,

MORGAN & FINNEGAN, L.L.P.

Dated: December 11, 2003

By:   
 Evelyn M. Kwon  
 Registration No. 54,246

Correspondence Address:

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**LIST OF ADDITIONAL INVENTORS**

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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant(s): James G. Lazar, et al. Group Art Unit: TBA  
CIP of Serial No.: 09/707,178 Examiner: TBA  
Filed: December 11, 2003  
For: IMMUNOLOGICAL DETECTION OF RNA:DNA HYBRIDS ON MICROARRAYS

**EXPRESS MAIL CERTIFICATE**

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Express Mail Label No.: EV 357835717 US

Date of Deposit: December 11, 2003

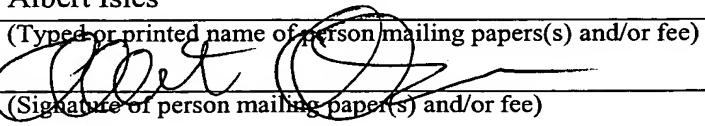
I hereby certify that the following attached paper(s) and/or fee

- 1) Utility Patent Application containing: 63 total pages, including 58 pages of specification; 4 pages of claims (1-22) and 1 page of Abstract; Figures 1A-D, 2A-D, 3A-E, 4A-D, 5A-D, and 6A-B (23 sheets);
- 2) Utility Application and Fee Transmittal (§ 1.53(b)) (5 sheets);
- 3) Application Fee: Check for \$532.00;
- 4) A copy of related pending U.S. Application Serial No 10/147,112, filed May 15, 2002;
- 5) A copy of related pending U.S. Application Serial No. 09/707,178, filed November 6, 2000;
- 6) Copy of Information Disclosure Statements (3 pages) with Form PTO-1449 (5 pages); and
- 7) Return Receipt Postcard

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. §1.10 on the date indicated above and is addressed to the Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Albert Isles

(Typed or printed name of person mailing paper(s) and/or fee)

  
(Signature of person mailing paper(s) and/or fee)

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